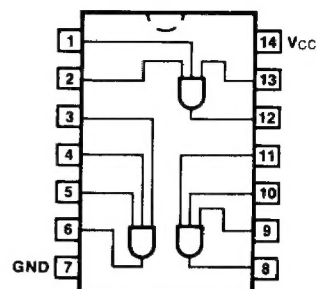


□ □ 5411 □ □ □

✓ 54/7411 011028  
 ✓ 54H/74H11 011032  
 ✓ 54S/74S11 011033  
 ✓ 54LS/74LS11 011031

# TRIPLE 3-INPUT AND GATE

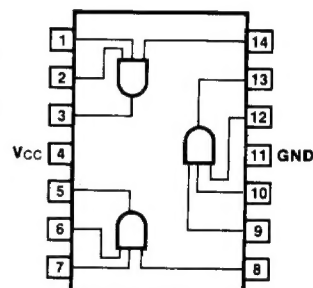
## CONNECTION DIAGRAMS PINOUT A



## ORDERING CODE: See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE	MILITARY GRADE	PKG TYPE
		$V_{CC} = +5.0\text{ V} \pm 5\%$ , $T_A = 0^\circ\text{C to } +70^\circ\text{C}$	$V_{CC} = +5.0\text{ V} \pm 10\%$ , $T_A = -55^\circ\text{C to } +125^\circ\text{C}$	
Plastic DIP (P)	A	7411PC, 74H11PC 74S11PC, 74LS11PC		9A
Ceramic DIP (D)	A	7411DC, 74H11DC 74S11DC, 74LS11DC	5411DM, 54H11DM 54S11DM, 54LS11DM	6A
Flatpak (F)	A	74S11FC, 74LS11FC	54S11FM, 54LS11FM	3I
	B	7411FC, 74H11FC	5411FM, 54H11FM	

## PINOUT B



## INPUT LOADING/FAN-OUT: See Section 3 for U.L. definitions

PINS	54/74 (U.L.) HIGH/LOW	54/74H (U.L.) HIGH/LOW	54/74S (U.L.) HIGH/LOW	54/74LS (U.L.) HIGH/LOW
Inputs	1.0/1.0	1.25/1.25	1.25/1.25	0.5/0.25
Outputs	20/10	12.5/12.5	25/12.5	10/5.0 (2.5)

## DC AND AC CHARACTERISTICS: See Section 3\*

SYMBOL	PARAMETER	54/74		54/74H		54/74S		54/74LS		UNITS	CONDITIONS	
		Min	Max	Min	Max	Min	Max	Min	Max			
I <sub>CCH</sub>	Power Supply	15		30		24		3.6		mA	V <sub>IN</sub> = Open	V <sub>CC</sub> = Max
I <sub>CCL</sub>	Current	24		48		42		6.6			V <sub>IN</sub> = Gnd	
t <sub>PLH</sub>	Propagation Delay	27		12		2.5 7.0		13		ns	Figs. 3-1, 3-5	
t <sub>PHL</sub>		19		12		2.5 7.5		11				

\*DC limits apply over operating temperature range; AC limits apply at  $T_A = +25^\circ\text{C}$  and  $V_{CC} = +5.0\text{ V}$ .